



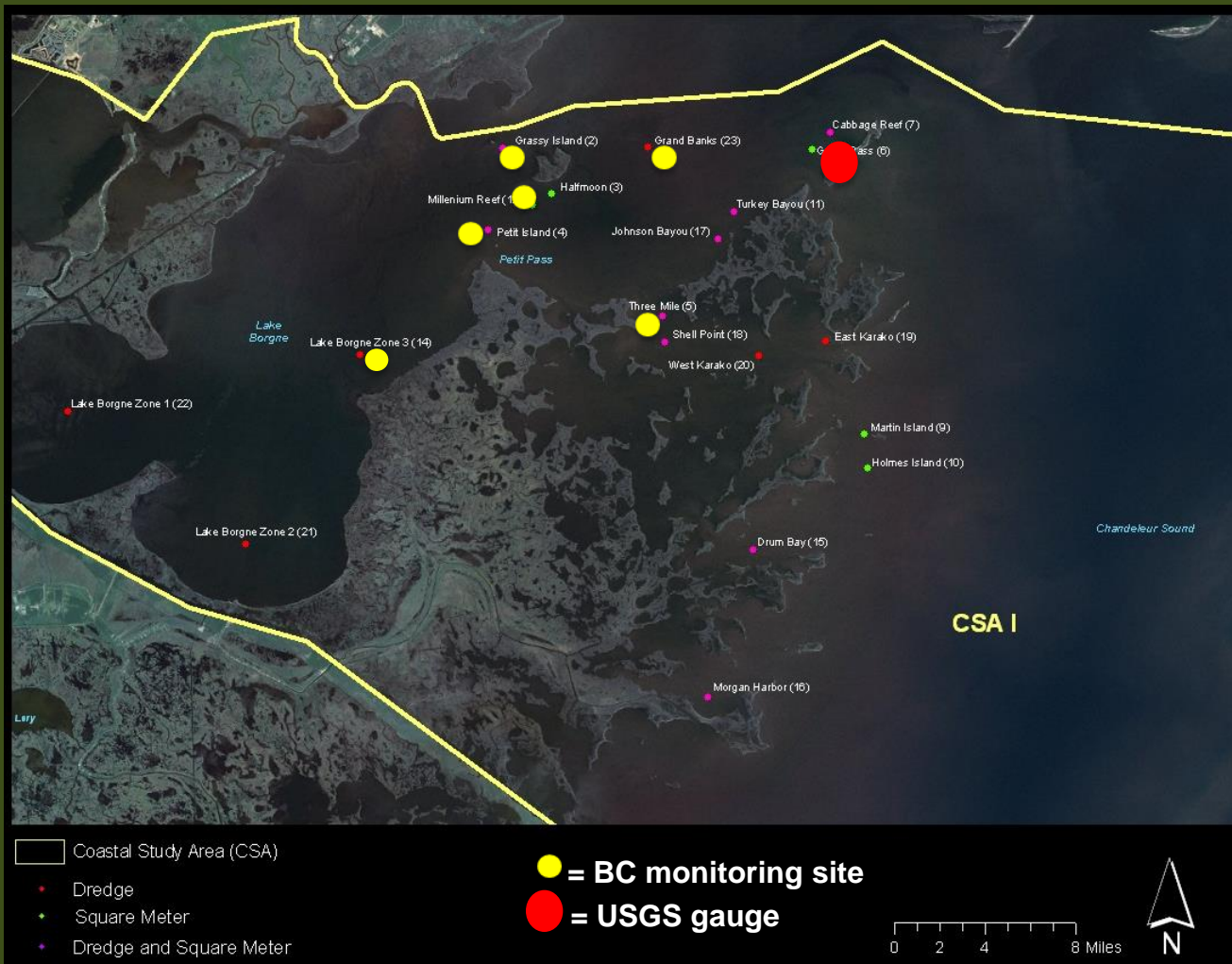
## **Bonnet Carre Spillway Opening January 2016: Oyster and Water Quality Monitoring Update**

Steve Beck| Oyster Task Force| February 2, 2016

## January Sampling Events:

- Regular Sampling: Jan 8
- Bonnet Carre Open: Jan 10
- BC Oyster/WQ Sampling: Jan 21
- BC WQ Sampling: Jan 25
- BC Oyster/WQ Sampling: Jan 28
- Continuing Weekly Samples

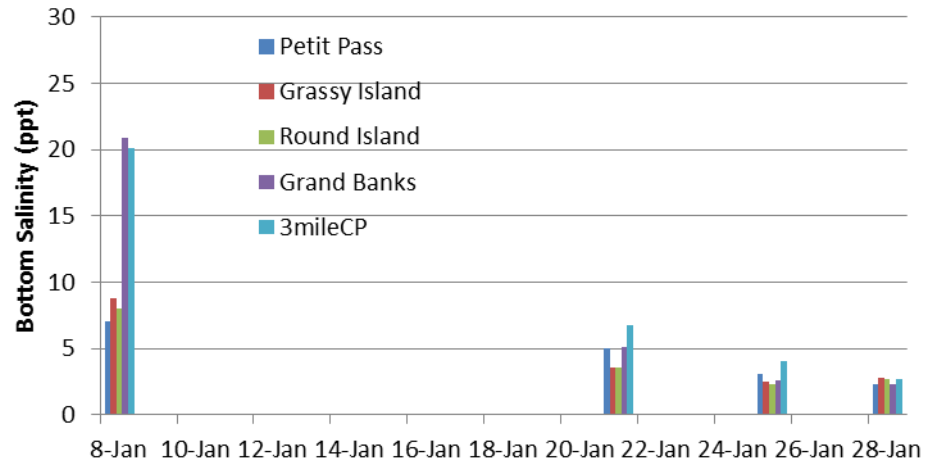




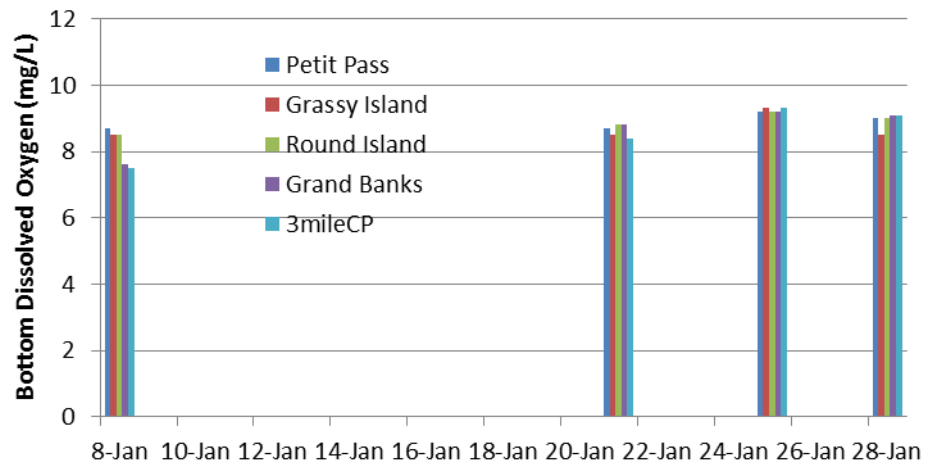
## Seed & Sack Size Oyster Mortality



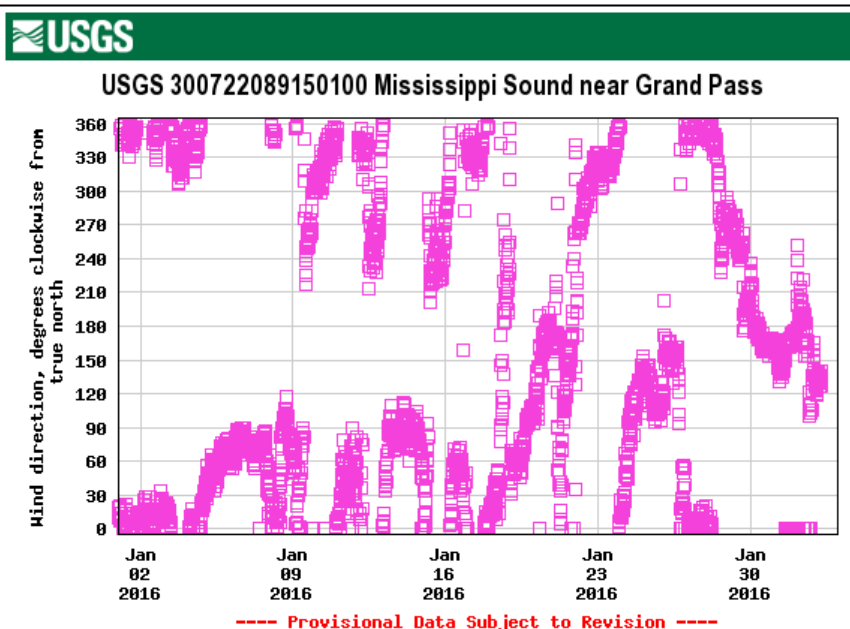
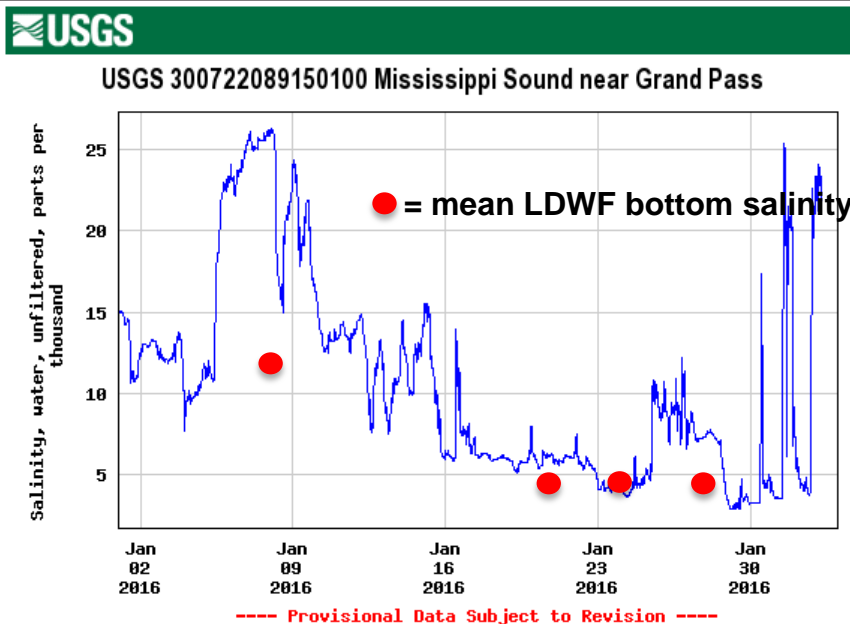
## Salinity



## Dissolved Oxygen



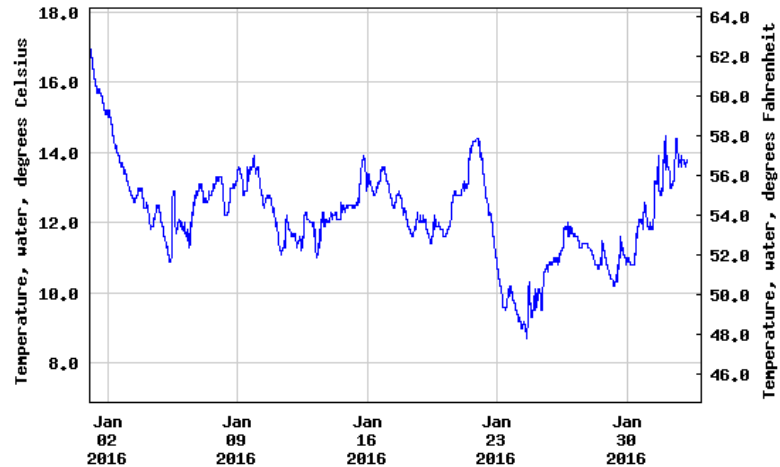
# USGS Continuous Recorders



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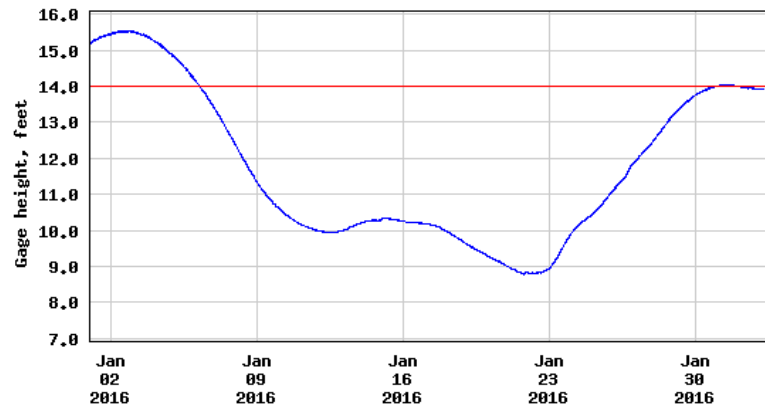
USGS 300722089150100 Mississippi Sound near Grand Pass



----- Provisional Data Subject to Revision -----



USGS 02492600 Pearl River at Pearl River, LA



----- Provisional Data Subject to Revision -----

— Gage height  
— National Weather Service Floodstage, in feet



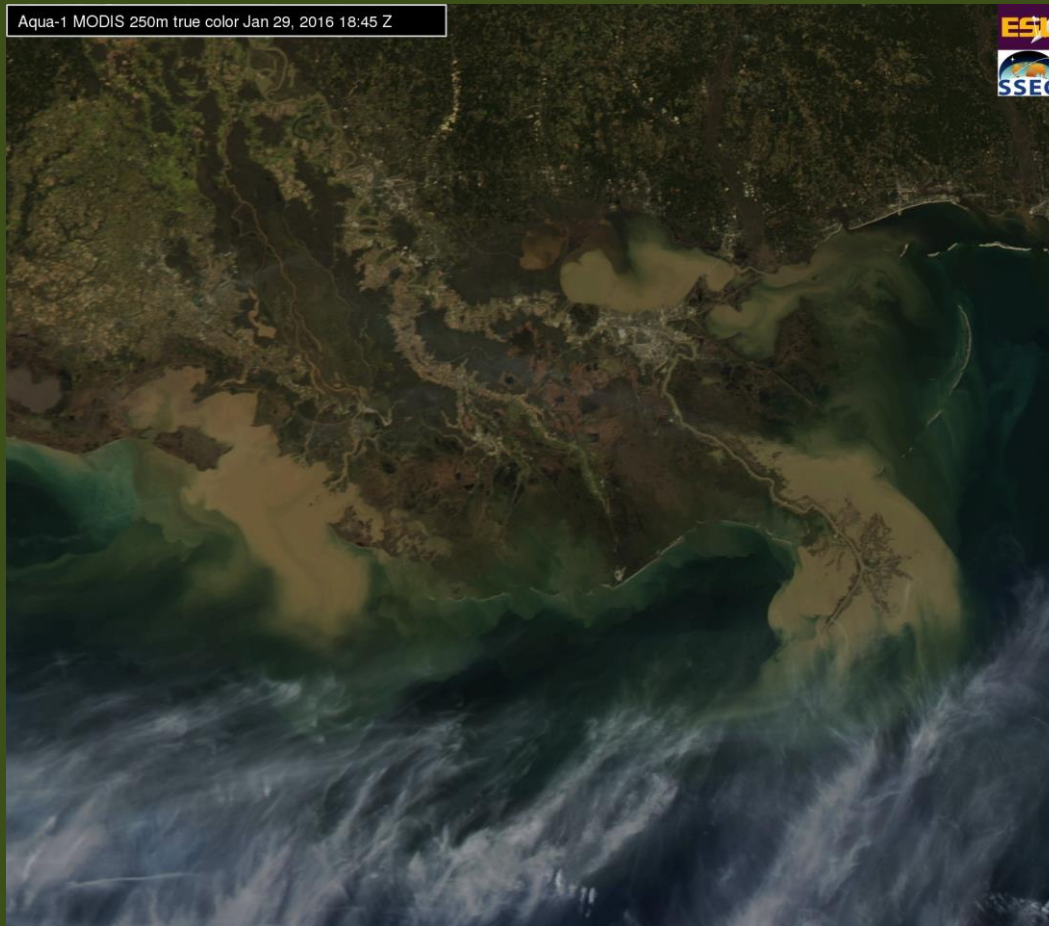
# Oyster Transplant Considerations: Summary Table for Recommendation of No Transplant

	2011 Flood Event	Current Flood Event
Duration of Spillway Opening (days)	43	22 (estimated)
Mean Flow (cfs)	255,753	104,800
Maximum Flow (cfs)	315,930	203,000
MS Sound Oyster Mort.	59%	TBD
<b>Pre-opening Conditions (~5 weeks prior to opening)</b>		
Mean Water Temperature (°C)	23.5	16.8
Mean Salinity (ppt)	13.7	17.7
Pearl River Level (gage height, feet)	9.7	11.0

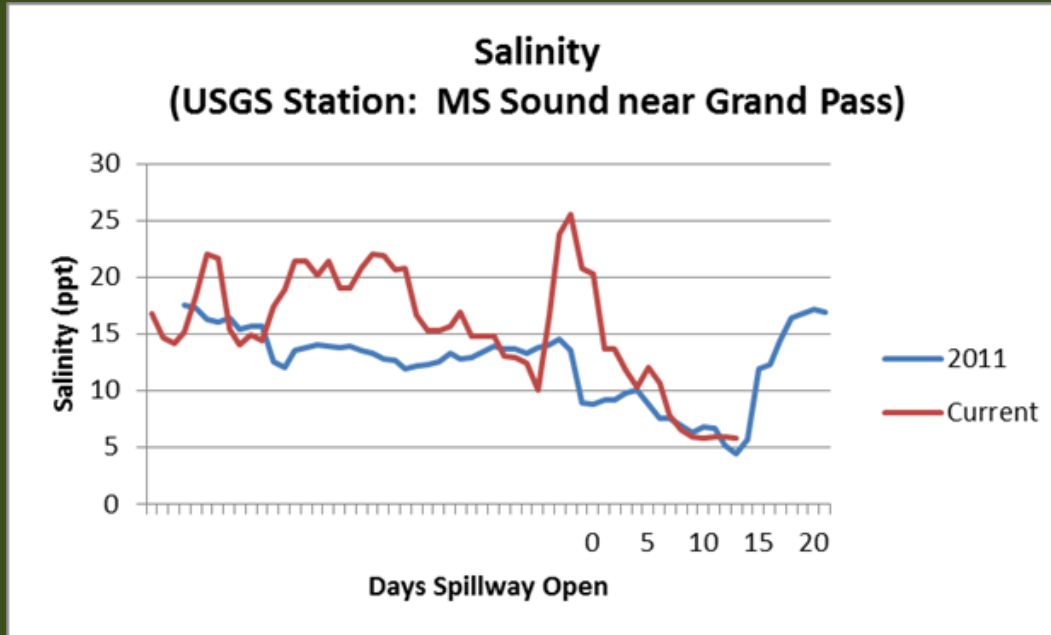




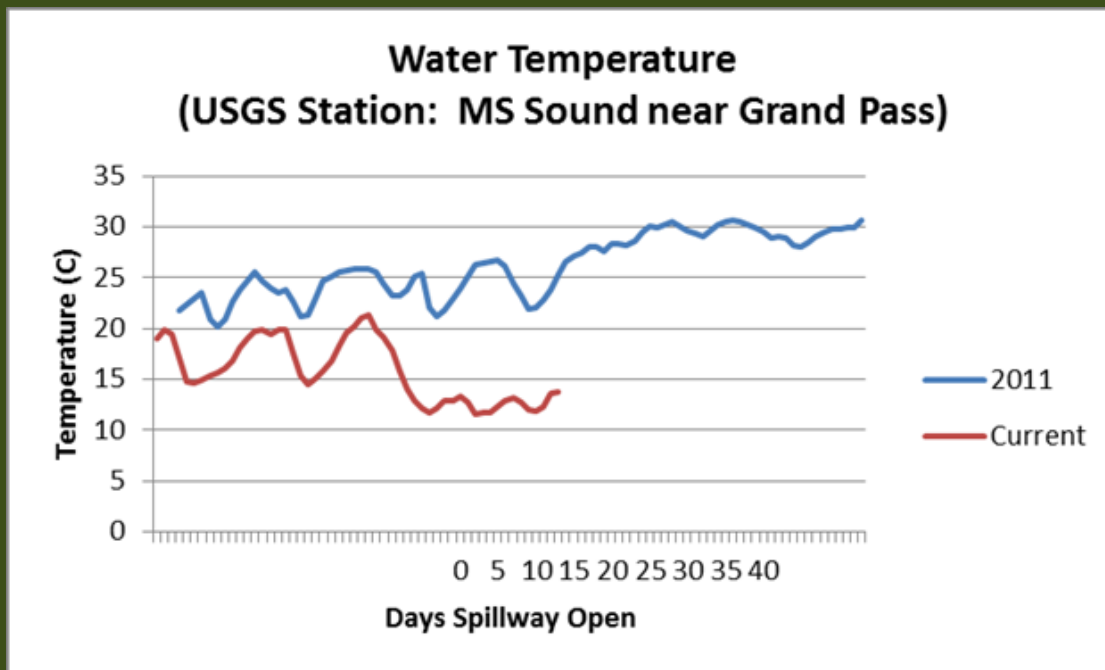
# Thursday, Jan 29 Satellite: Questions?



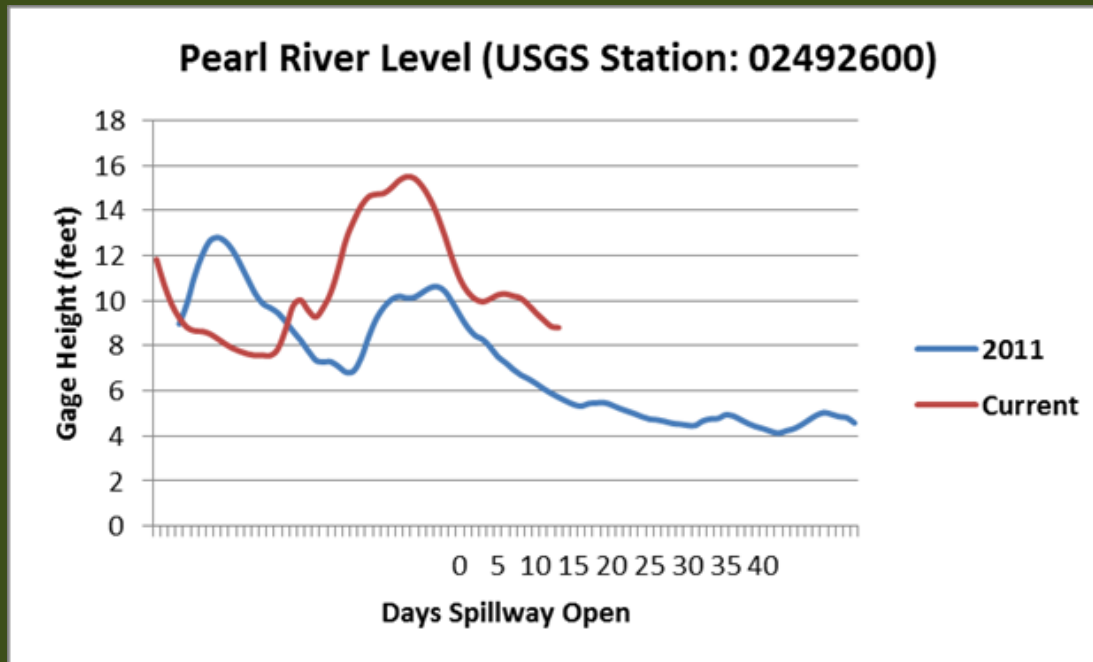
# Oyster Transplant Considerations



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(La Peyre et al 2015, JCR)

